

I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office, facsimile no. (703) 872-9306, on the date shown below.  
Dated: 1/20/04 Signature: [Signature]  
(Dawnella Teague)

Docket No.: 22004-00003-US

(PATENT)

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:  
Kaori YASUFUKU, et al.

Application No.: 09/690,433

Filed: October 18, 2000

For: CONNECTOR

Group Art Unit: 2833

Examiner: T. Nguyen

RECEIVED  
CENTRAL FAX CENTER

JAN 20 2004

OFFICIAL

AMENDMENT

MS Non-Fee Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In response to the Office Action dated September 23, 2003, please amend the application as follows:

**RECEIVED  
CENTRAL FAX CENTER****FAX TRANSMISSION**

JAN 20 2004

**OFFICIAL****DATE:** January 20, 2004**PTO IDENTIFIER:** Application Number 09/690,433-Conf. #3745  
Patent Number**Inventor:** Kaori Yasufuku et al.**MESSAGE TO:** US Patent and Trademark Office**FAX NUMBER:** (703) 872-9306**FROM:** CONNOLLY BOVE LODGE & HUTZ LLP

Joseph Barrera

**PHONE:** (202) 331-7111**Attorney Dkt. #:** 22004-00003-US**PAGES (Including Cover Sheet):** 13**CONTENTS:** One Month Request for Extension of Time Under 37 CFR 1.136(a) (1 page);  
Amendment in Response to Non-Final Office Action (8 pages);  
Transmittal (1 page);  
Fee Transmittal (1 page);  
Certificate of Transmission under 37 CFR 1.8 (1 page); and  
Charge \$110.00 to deposit account 22-0185.

If your receipt of this transmission is in error, please notify this firm immediately by collect call to sender at (202) 331-7111 and send the original transmission to us by return mail at the address below.

This transmission is intended for the sole use of the individual and entity to whom it is addressed, and may contain information that is privileged, confidential and exempt from disclosure under applicable law. You are hereby notified that any dissemination, distribution or duplication of this transmission by someone other than the intended addressee or its designated agent is strictly prohibited.

**CONNOLLY BOVE LODGE & HUTZ LLP**1990 M Street, N.W., Suite 800, Washington, DC 20036-3425  
Telephone: (202) 331-7111 Facsimile: (202) 293-6229

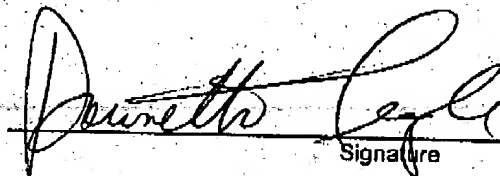
PTO/SB/07 (12-97)  
Approved for use through 9/30/00. OMB 0651-0031  
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## Certificate of Transmission Under 37 CFR 1.8

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office

on January 20, 2004  
Date

  
Signature

Downetta Teagle  
Typed or printed name of person signing Certificate

Note: Each paper must have its own certificate of transmission, or this certificate must identify each submitted paper.

One Month Request for Extension of Time Under 37 CFR 1.136(a) (1 page);  
Amendment in Response to Non-Final Office Action (8 pages);  
Transmittal (1 page);  
Fee Transmittal (1 page);  
Certificate of Transmission under 37 CFR 1.8 (1 page); and  
Charge \$110.00 to deposit account 22-0185.

PTO/SB/17 (10-03)

Approved for use through 7/31/2008. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

| <b>FEE TRANSMITTAL<br/>for FY 2004</b>   |  | <b>Complete if Known</b> |                        |
|--|--|--------------------------|------------------------|
| <small>Effective 10/01/2003, Patent fees are subject to annual revision.</small> |  | Application Number       | 09/690,433-Conf. #3745 |
|  |  | Filing Date              | October 18, 2000       |
|  |  | First Named Inventor     | Kaori Yasufuku ET AL.  |
|  |  | Examiner Name            | T. T. Nguyen           |
|  |  | Art Unit                 | 2833                   |
|  |  | Attorney Docket No.      | 22004-00003-US         |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27   |  |                          |                        |
| <b>TOTAL AMOUNT OF PAYMENT</b> (\$)  |  | 110.00                   |                        |

| <b>METHOD OF PAYMENT (check all that apply)</b>   |                       | <b>FEE CALCULATION (continued)</b>  |                       |  |                       |  |                       |                 |          |      |     |                        |    |                                     |     |      |     |                                   |    |  |     |      |     |                                       |     |                           |     |      |       |  |       |   |     |      |      |  |      |  |  |      |        |      |        |   |  |      |     |      |    |  |        |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
|---|-----------------------|---|-----------------------|--|-----------------------|--|-----------------------|-----------------|----------|------|-----|------------------------|----|-------------------------------------|-----|------|-----|-----------------------------------|----|--|-----|------|-----|---------------------------------------|-----|---------------------------|-----|------|-------|--|-------|---|-----|------|------|--|------|--|--|------|--------|------|--------|---|--|------|-----|------|----|--|--------|------|-----|------|-----|---|--|------|-----|------|-----|--|--|------|-------|------|-----|---|--|------|-------|------|-------|--|--|------|-----|------|-----|------------------|--|------|-----|------|-----|--|--|------|-----|------|-----|--------------------------|--|------|-------|------|-------|---|--|------|-----|------|----|----------------------------------|--|------|-------|------|-----|------------------------------------|--|------|-------|------|-----|--------------------------------|--|------|-----|------|-----|------------------|--|------|-----|------|-----|-----------------|--|------|-----|------|-----|-------------------------------|--|------|----|------|----|-------------------------------------|--|------|-----|------|-----|---|--|------|----|------|----|--|--|------|-----|------|-----|---|--|------|-----|------|-----|--|--|------|-----|------|-----|---|--|------|-----|------|-----|---|--|
| <input type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None   |                       | <b>3. ADDITIONAL FEES</b><br><br><table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Large Entity Fee (\$)</th> <th>Small Entity Fee Code</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>1051</td><td>130</td><td>2051</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>1052</td><td>50</td><td>2052</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>1053</td><td>130</td><td>1053</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>1812</td><td>2,520</td><td>1812</td><td>2,520</td><td>For filing a request for ex parte reexamination</td><td></td></tr> <tr><td>1804</td><td>820*</td><td>1804</td><td>820*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>1805</td><td>1,840*</td><td>1805</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>1251</td><td>110</td><td>2251</td><td>55</td><td>Extension for reply within first month</td><td>110.00</td></tr> <tr><td>1252</td><td>420</td><td>2252</td><td>210</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>1253</td><td>950</td><td>2253</td><td>475</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>1254</td><td>1,480</td><td>2254</td><td>740</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>1255</td><td>2,010</td><td>2255</td><td>1,005</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>1401</td><td>330</td><td>2401</td><td>165</td><td>Notice of Appeal</td><td></td></tr> <tr><td>1402</td><td>330</td><td>2402</td><td>165</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>1403</td><td>290</td><td>2403</td><td>145</td><td>Request for oral hearing</td><td></td></tr> <tr><td>1451</td><td>1,510</td><td>1451</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>1452</td><td>110</td><td>2452</td><td>55</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>1453</td><td>1,330</td><td>2453</td><td>665</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>1501</td><td>1,330</td><td>2501</td><td>665</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>1502</td><td>480</td><td>2502</td><td>240</td><td>Design issue fee</td><td></td></tr> <tr><td>1503</td><td>640</td><td>2503</td><td>320</td><td>Plant issue fee</td><td></td></tr> <tr><td>1450</td><td>130</td><td>1450</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>1807</td><td>50</td><td>1807</td><td>50</td><td>Processing fee under 37 CFR 1.17(g)</td><td></td></tr> <tr><td>1806</td><td>180</td><td>1806</td><td>180</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>8021</td><td>40</td><td>8021</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>1809</td><td>770</td><td>2809</td><td>385</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>1810</td><td>770</td><td>2810</td><td>385</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr> <tr><td>1801</td><td>770</td><td>2801</td><td>385</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>1802</td><td>900</td><td>1802</td><td>900</td><td>Request for expedited examination of a design application</td><td></td></tr> </tbody> </table> |                       | Large Entity Fee Code  | Large Entity Fee (\$) | Small Entity Fee Code                                  | Small Entity Fee (\$) | Fee Description | Fee Paid | 1051 | 130 | 2051                   | 65 | Surcharge - late filing fee or oath |     | 1052 | 50  | 2052                              | 25 | Surcharge - late provisional filing fee or cover sheet |     | 1053 | 130 | 1053                                  | 130 | Non-English specification |     | 1812 | 2,520 | 1812   | 2,520 | For filing a request for ex parte reexamination |     | 1804 | 820* | 1804   | 820* | Requesting publication of SIR prior to Examiner action |  | 1805 | 1,840* | 1805 | 1,840* | Requesting publication of SIR after Examiner action |  | 1251 | 110 | 2251 | 55 | Extension for reply within first month | 110.00 | 1252 | 420 | 2252 | 210 | Extension for reply within second month |  | 1253 | 950 | 2253 | 475 | Extension for reply within third month |  | 1254 | 1,480 | 2254 | 740 | Extension for reply within fourth month |  | 1255 | 2,010 | 2255 | 1,005 | Extension for reply within fifth month |  | 1401 | 330 | 2401 | 165 | Notice of Appeal |  | 1402 | 330 | 2402 | 165 | Filing a brief in support of an appeal |  | 1403 | 290 | 2403 | 145 | Request for oral hearing |  | 1451 | 1,510 | 1451 | 1,510 | Petition to institute a public use proceeding |  | 1452 | 110 | 2452 | 55 | Petition to revive - unavoidable |  | 1453 | 1,330 | 2453 | 665 | Petition to revive - unintentional |  | 1501 | 1,330 | 2501 | 665 | Utility issue fee (or reissue) |  | 1502 | 480 | 2502 | 240 | Design issue fee |  | 1503 | 640 | 2503 | 320 | Plant issue fee |  | 1450 | 130 | 1450 | 130 | Petitions to the Commissioner |  | 1807 | 50 | 1807 | 50 | Processing fee under 37 CFR 1.17(g) |  | 1806 | 180 | 1806 | 180 | Submission of Information Disclosure Stmt |  | 8021 | 40 | 8021 | 40 | Recording each patent assignment per property (times number of properties) |  | 1809 | 770 | 2809 | 385 | Filing a submission after final rejection (37 CFR 1.129(a)) |  | 1810 | 770 | 2810 | 385 | For each additional invention to be examined (37 CFR 1.129(b)) |  | 1801 | 770 | 2801 | 385 | Request for Continued Examination (RCE) |  | 1802 | 900 | 1802 | 900 | Request for expedited examination of a design application |  |
| Large Entity Fee Code   | Large Entity Fee (\$) |   |                       | Small Entity Fee Code  | Small Entity Fee (\$) | Fee Description  | Fee Paid              |                 |          |      |     |                        |    |                                     |     |      |     |                                   |    |  |     |      |     |                                       |     |                           |     |      |       |  |       |   |     |      |      |  |      |  |  |      |        |      |        |   |  |      |     |      |    |  |        |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1051  | 130                   |   |                       | 2051   | 65                    | Surcharge - late filing fee or oath                    |                       |                 |          |      |     |                        |    |                                     |     |      |     |                                   |    |  |     |      |     |                                       |     |                           |     |      |       |  |       |   |     |      |      |  |      |  |  |      |        |      |        |   |  |      |     |      |    |  |        |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1052  | 50                    |   |                       | 2052   | 25                    | Surcharge - late provisional filing fee or cover sheet |                       |                 |          |      |     |                        |    |                                     |     |      |     |                                   |    |  |     |      |     |                                       |     |                           |     |      |       |  |       |   |     |      |      |  |      |  |  |      |        |      |        |   |  |      |     |      |    |  |        |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1053  | 130                   | 1053  | 130                   | Non-English specification  |                       |  |                       |                 |          |      |     |                        |    |                                     |     |      |     |                                   |    |  |     |      |     |                                       |     |                           |     |      |       |  |       |   |     |      |      |  |      |  |  |      |        |      |        |   |  |      |     |      |    |  |        |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1812  | 2,520                 | 1812  | 2,520                 | For filing a request for ex parte reexamination                            |                       |  |                       |                 |          |      |     |                        |    |                                     |     |      |     |                                   |    |  |     |      |     |                                       |     |                           |     |      |       |  |       |   |     |      |      |  |      |  |  |      |        |      |        |   |  |      |     |      |    |  |        |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1804  | 820*                  | 1804  | 820*                  | Requesting publication of SIR prior to Examiner action                     |                       |  |                       |                 |          |      |     |                        |    |                                     |     |      |     |                                   |    |  |     |      |     |                                       |     |                           |     |      |       |  |       |   |     |      |      |  |      |  |  |      |        |      |        |   |  |      |     |      |    |  |        |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1805  | 1,840*                | 1805  | 1,840*                | Requesting publication of SIR after Examiner action                        |                       |  |                       |                 |          |      |     |                        |    |                                     |     |      |     |                                   |    |  |     |      |     |                                       |     |                           |     |      |       |  |       |   |     |      |      |  |      |  |  |      |        |      |        |   |  |      |     |      |    |  |        |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1251  | 110                   | 2251  | 55                    | Extension for reply within first month                                     | 110.00                |  |                       |                 |          |      |     |                        |    |                                     |     |      |     |                                   |    |  |     |      |     |                                       |     |                           |     |      |       |  |       |   |     |      |      |  |      |  |  |      |        |      |        |   |  |      |     |      |    |  |        |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1252  | 420                   | 2252  | 210                   | Extension for reply within second month                                    |                       |  |                       |                 |          |      |     |                        |    |                                     |     |      |     |                                   |    |  |     |      |     |                                       |     |                           |     |      |       |  |       |   |     |      |      |  |      |  |  |      |        |      |        |   |  |      |     |      |    |  |        |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1253  | 950                   | 2253  | 475                   | Extension for reply within third month                                     |                       |  |                       |                 |          |      |     |                        |    |                                     |     |      |     |                                   |    |  |     |      |     |                                       |     |                           |     |      |       |  |       |   |     |      |      |  |      |  |  |      |        |      |        |   |  |      |     |      |    |  |        |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1254  | 1,480                 | 2254  | 740                   | Extension for reply within fourth month                                    |                       |  |                       |                 |          |      |     |                        |    |                                     |     |      |     |                                   |    |  |     |      |     |                                       |     |                           |     |      |       |  |       |   |     |      |      |  |      |  |  |      |        |      |        |   |  |      |     |      |    |  |        |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1255  | 2,010                 | 2255  | 1,005                 | Extension for reply within fifth month                                     |                       |  |                       |                 |          |      |     |                        |    |                                     |     |      |     |                                   |    |  |     |      |     |                                       |     |                           |     |      |       |  |       |   |     |      |      |  |      |  |  |      |        |      |        |   |  |      |     |      |    |  |        |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1401  | 330                   | 2401  | 165                   | Notice of Appeal   |                       |  |                       |                 |          |      |     |                        |    |                                     |     |      |     |                                   |    |  |     |      |     |                                       |     |                           |     |      |       |  |       |   |     |      |      |  |      |  |  |      |        |      |        |   |  |      |     |      |    |  |        |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1402  | 330                   | 2402  | 165                   | Filing a brief in support of an appeal                                     |                       |  |                       |                 |          |      |     |                        |    |                                     |     |      |     |                                   |    |  |     |      |     |                                       |     |                           |     |      |       |  |       |   |     |      |      |  |      |  |  |      |        |      |        |   |  |      |     |      |    |  |        |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1403  | 290                   | 2403  | 145                   | Request for oral hearing   |                       |  |                       |                 |          |      |     |                        |    |                                     |     |      |     |                                   |    |  |     |      |     |                                       |     |                           |     |      |       |  |       |   |     |      |      |  |      |  |  |      |        |      |        |   |  |      |     |      |    |  |        |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1451  | 1,510                 | 1451  | 1,510                 | Petition to institute a public use proceeding                              |                       |  |                       |                 |          |      |     |                        |    |                                     |     |      |     |                                   |    |  |     |      |     |                                       |     |                           |     |      |       |  |       |   |     |      |      |  |      |  |  |      |        |      |        |   |  |      |     |      |    |  |        |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1452  | 110                   | 2452  | 55                    | Petition to revive - unavoidable   |                       |  |                       |                 |          |      |     |                        |    |                                     |     |      |     |                                   |    |  |     |      |     |                                       |     |                           |     |      |       |  |       |   |     |      |      |  |      |  |  |      |        |      |        |   |  |      |     |      |    |  |        |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1453  | 1,330                 | 2453  | 665                   | Petition to revive - unintentional   |                       |  |                       |                 |          |      |     |                        |    |                                     |     |      |     |                                   |    |  |     |      |     |                                       |     |                           |     |      |       |  |       |   |     |      |      |  |      |  |  |      |        |      |        |   |  |      |     |      |    |  |        |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1501  | 1,330                 | 2501  | 665                   | Utility issue fee (or reissue)   |                       |  |                       |                 |          |      |     |                        |    |                                     |     |      |     |                                   |    |  |     |      |     |                                       |     |                           |     |      |       |  |       |   |     |      |      |  |      |  |  |      |        |      |        |   |  |      |     |      |    |  |        |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1502  | 480                   | 2502  | 240                   | Design issue fee   |                       |  |                       |                 |          |      |     |                        |    |                                     |     |      |     |                                   |    |  |     |      |     |                                       |     |                           |     |      |       |  |       |   |     |      |      |  |      |  |  |      |        |      |        |   |  |      |     |      |    |  |        |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1503  | 640                   | 2503  | 320                   | Plant issue fee  |                       |  |                       |                 |          |      |     |                        |    |                                     |     |      |     |                                   |    |  |     |      |     |                                       |     |                           |     |      |       |  |       |   |     |      |      |  |      |  |  |      |        |      |        |   |  |      |     |      |    |  |        |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1450  | 130                   | 1450  | 130                   | Petitions to the Commissioner  |                       |  |                       |                 |          |      |     |                        |    |                                     |     |      |     |                                   |    |  |     |      |     |                                       |     |                           |     |      |       |  |       |   |     |      |      |  |      |  |  |      |        |      |        |   |  |      |     |      |    |  |        |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1807  | 50                    | 1807  | 50                    | Processing fee under 37 CFR 1.17(g)  |                       |  |                       |                 |          |      |     |                        |    |                                     |     |      |     |                                   |    |  |     |      |     |                                       |     |                           |     |      |       |  |       |   |     |      |      |  |      |  |  |      |        |      |        |   |  |      |     |      |    |  |        |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1806  | 180                   | 1806  | 180                   | Submission of Information Disclosure Stmt                                  |                       |  |                       |                 |          |      |     |                        |    |                                     |     |      |     |                                   |    |  |     |      |     |                                       |     |                           |     |      |       |  |       |   |     |      |      |  |      |  |  |      |        |      |        |   |  |      |     |      |    |  |        |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 8021  | 40                    | 8021  | 40                    | Recording each patent assignment per property (times number of properties) |                       |  |                       |                 |          |      |     |                        |    |                                     |     |      |     |                                   |    |  |     |      |     |                                       |     |                           |     |      |       |  |       |   |     |      |      |  |      |  |  |      |        |      |        |   |  |      |     |      |    |  |        |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1809  | 770                   | 2809  | 385                   | Filing a submission after final rejection (37 CFR 1.129(a))                |                       |  |                       |                 |          |      |     |                        |    |                                     |     |      |     |                                   |    |  |     |      |     |                                       |     |                           |     |      |       |  |       |   |     |      |      |  |      |  |  |      |        |      |        |   |  |      |     |      |    |  |        |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1810  | 770                   | 2810  | 385                   | For each additional invention to be examined (37 CFR 1.129(b))             |                       |  |                       |                 |          |      |     |                        |    |                                     |     |      |     |                                   |    |  |     |      |     |                                       |     |                           |     |      |       |  |       |   |     |      |      |  |      |  |  |      |        |      |        |   |  |      |     |      |    |  |        |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1801  | 770                   | 2801  | 385                   | Request for Continued Examination (RCE)                                    |                       |  |                       |                 |          |      |     |                        |    |                                     |     |      |     |                                   |    |  |     |      |     |                                       |     |                           |     |      |       |  |       |   |     |      |      |  |      |  |  |      |        |      |        |   |  |      |     |      |    |  |        |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1802  | 900                   | 1802  | 900                   | Request for expedited examination of a design application                  |                       |  |                       |                 |          |      |     |                        |    |                                     |     |      |     |                                   |    |  |     |      |     |                                       |     |                           |     |      |       |  |       |   |     |      |      |  |      |  |  |      |        |      |        |   |  |      |     |      |    |  |        |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| <input checked="" type="checkbox"/> Deposit Account:<br>Deposit Account Number: 22-0185<br>Deposit Account Name: Connolly Bove Lodge & Hutz LLP   |                       |   |                       |  |                       |  |                       |                 |          |      |     |                        |    |                                     |     |      |     |                                   |    |  |     |      |     |                                       |     |                           |     |      |       |  |       |   |     |      |      |  |      |  |  |      |        |      |        |   |  |      |     |      |    |  |        |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| The Director is authorized to: (check all that apply)<br><input checked="" type="checkbox"/> Charge fee(s) indicated below <input checked="" type="checkbox"/> Credit any overpayments<br><input checked="" type="checkbox"/> Charge any additional fee(s) or any underpayment of fee(s)<br><input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.  |                       |   |                       |  |                       |  |                       |                 |          |      |     |                        |    |                                     |     |      |     |                                   |    |  |     |      |     |                                       |     |                           |     |      |       |  |       |   |     |      |      |  |      |  |  |      |        |      |        |   |  |      |     |      |    |  |        |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| <b>FEE CALCULATION</b>  |                       |   |                       |  |                       |  |                       |                 |          |      |     |                        |    |                                     |     |      |     |                                   |    |  |     |      |     |                                       |     |                           |     |      |       |  |       |   |     |      |      |  |      |  |  |      |        |      |        |   |  |      |     |      |    |  |        |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| <b>1. BASIC FILING FEE</b><br><table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Large Entity Fee (\$)</th> <th>Small Entity Fee Code</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>1001</td><td>770</td><td>2001</td><td>385</td><td>Utility filing fee</td><td></td></tr> <tr><td>1002</td><td>340</td><td>2002</td><td>170</td><td>Design filing fee</td><td></td></tr> <tr><td>1003</td><td>530</td><td>2003</td><td>265</td><td>Plant filing fee</td><td></td></tr> <tr><td>1004</td><td>770</td><td>2004</td><td>385</td><td>Reissue filing fee</td><td></td></tr> <tr><td>1005</td><td>160</td><td>2005</td><td>80</td><td>Provisional filing fee</td><td></td></tr> </tbody> </table>   |                       | Large Entity Fee Code   | Large Entity Fee (\$) | Small Entity Fee Code  | Small Entity Fee (\$) | Fee Description  | Fee Paid              | 1001            | 770      | 2001 | 385 | Utility filing fee     |    | 1002                                | 340 | 2002 | 170 | Design filing fee                 |    | 1003   | 530 | 2003 | 265 | Plant filing fee                      |     | 1004                      | 770 | 2004 | 385   | Reissue filing fee                                 |       | 1005  | 160 | 2005 | 80   | Provisional filing fee                                     |      |  |  |      |        |      |        |   |  |      |     |      |    |  |        |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| Large Entity Fee Code   | Large Entity Fee (\$) | Small Entity Fee Code   | Small Entity Fee (\$) | Fee Description  | Fee Paid              |  |                       |                 |          |      |     |                        |    |                                     |     |      |     |                                   |    |  |     |      |     |                                       |     |                           |     |      |       |  |       |   |     |      |      |  |      |  |  |      |        |      |        |   |  |      |     |      |    |  |        |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1001  | 770                   | 2001  | 385                   | Utility filing fee   |                       |  |                       |                 |          |      |     |                        |    |                                     |     |      |     |                                   |    |  |     |      |     |                                       |     |                           |     |      |       |  |       |   |     |      |      |  |      |  |  |      |        |      |        |   |  |      |     |      |    |  |        |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1002  | 340                   | 2002  | 170                   | Design filing fee  |                       |  |                       |                 |          |      |     |                        |    |                                     |     |      |     |                                   |    |  |     |      |     |                                       |     |                           |     |      |       |  |       |   |     |      |      |  |      |  |  |      |        |      |        |   |  |      |     |      |    |  |        |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1003  | 530                   | 2003  | 265                   | Plant filing fee   |                       |  |                       |                 |          |      |     |                        |    |                                     |     |      |     |                                   |    |  |     |      |     |                                       |     |                           |     |      |       |  |       |   |     |      |      |  |      |  |  |      |        |      |        |   |  |      |     |      |    |  |        |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1004  | 770                   | 2004  | 385                   | Reissue filing fee   |                       |  |                       |                 |          |      |     |                        |    |                                     |     |      |     |                                   |    |  |     |      |     |                                       |     |                           |     |      |       |  |       |   |     |      |      |  |      |  |  |      |        |      |        |   |  |      |     |      |    |  |        |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1005  | 160                   | 2005  | 80                    | Provisional filing fee   |                       |  |                       |                 |          |      |     |                        |    |                                     |     |      |     |                                   |    |  |     |      |     |                                       |     |                           |     |      |       |  |       |   |     |      |      |  |      |  |  |      |        |      |        |   |  |      |     |      |    |  |        |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| <b>2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE</b><br><table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Large Entity Fee (\$)</th> <th>Small Entity Fee Code</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>1202</td><td>18</td><td>2202</td><td>9</td><td>Claims in excess of 20</td><td></td></tr> <tr><td>1201</td><td>88</td><td>2201</td><td>43</td><td>Independent claims in excess of 3</td><td></td></tr> <tr><td>1203</td><td>290</td><td>2203</td><td>145</td><td>Multiple dependent claim, if not paid</td><td></td></tr> <tr><td>1204</td><td>88</td><td>2204</td><td>43</td><td>** Reissue independent claims over original patent</td><td></td></tr> <tr><td>1205</td><td>18</td><td>2205</td><td>9</td><td>** Reissue claims in excess of 20 and over original patent</td><td></td></tr> </tbody> </table> |                       | Large Entity Fee Code   | Large Entity Fee (\$) | Small Entity Fee Code  | Small Entity Fee (\$) | Fee Description  | Fee Paid              | 1202            | 18       | 2202 | 9   | Claims in excess of 20 |    | 1201                                | 88  | 2201 | 43  | Independent claims in excess of 3 |    | 1203   | 290 | 2203 | 145 | Multiple dependent claim, if not paid |     | 1204                      | 88  | 2204 | 43    | ** Reissue independent claims over original patent |       | 1205  | 18  | 2205 | 9    | ** Reissue claims in excess of 20 and over original patent |      |  |  |      |        |      |        |   |  |      |     |      |    |  |        |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| Large Entity Fee Code   | Large Entity Fee (\$) | Small Entity Fee Code   | Small Entity Fee (\$) | Fee Description  | Fee Paid              |  |                       |                 |          |      |     |                        |    |                                     |     |      |     |                                   |    |  |     |      |     |                                       |     |                           |     |      |       |  |       |   |     |      |      |  |      |  |  |      |        |      |        |   |  |      |     |      |    |  |        |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1202  | 18                    | 2202  | 9                     | Claims in excess of 20   |                       |  |                       |                 |          |      |     |                        |    |                                     |     |      |     |                                   |    |  |     |      |     |                                       |     |                           |     |      |       |  |       |   |     |      |      |  |      |  |  |      |        |      |        |   |  |      |     |      |    |  |        |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1201  | 88                    | 2201  | 43                    | Independent claims in excess of 3  |                       |  |                       |                 |          |      |     |                        |    |                                     |     |      |     |                                   |    |  |     |      |     |                                       |     |                           |     |      |       |  |       |   |     |      |      |  |      |  |  |      |        |      |        |   |  |      |     |      |    |  |        |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1203  | 290                   | 2203  | 145                   | Multiple dependent claim, if not paid                                      |                       |  |                       |                 |          |      |     |                        |    |                                     |     |      |     |                                   |    |  |     |      |     |                                       |     |                           |     |      |       |  |       |   |     |      |      |  |      |  |  |      |        |      |        |   |  |      |     |      |    |  |        |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1204  | 88                    | 2204  | 43                    | ** Reissue independent claims over original patent                         |                       |  |                       |                 |          |      |     |                        |    |                                     |     |      |     |                                   |    |  |     |      |     |                                       |     |                           |     |      |       |  |       |   |     |      |      |  |      |  |  |      |        |      |        |   |  |      |     |      |    |  |        |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1205  | 18                    | 2205  | 9                     | ** Reissue claims in excess of 20 and over original patent                 |                       |  |                       |                 |          |      |     |                        |    |                                     |     |      |     |                                   |    |  |     |      |     |                                       |     |                           |     |      |       |  |       |   |     |      |      |  |      |  |  |      |        |      |        |   |  |      |     |      |    |  |        |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| <b>3. SUBTOTAL (1)</b> (\$) 0.00  |                       |   |                       |  |                       |  |                       |                 |          |      |     |                        |    |                                     |     |      |     |                                   |    |  |     |      |     |                                       |     |                           |     |      |       |  |       |   |     |      |      |  |      |  |  |      |        |      |        |   |  |      |     |      |    |  |        |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| <b>3. SUBTOTAL (2)</b> (\$) 0.00  |                       |   |                       |  |                       |  |                       |                 |          |      |     |                        |    |                                     |     |      |     |                                   |    |  |     |      |     |                                       |     |                           |     |      |       |  |       |   |     |      |      |  |      |  |  |      |        |      |        |   |  |      |     |      |    |  |        |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| <b>3. SUBTOTAL (3)</b> (\$) 110.00  |                       |   |                       |  |                       |  |                       |                 |          |      |     |                        |    |                                     |     |      |     |                                   |    |  |     |      |     |                                       |     |                           |     |      |       |  |       |   |     |      |      |  |      |  |  |      |        |      |        |   |  |      |     |      |    |  |        |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |

\*\*or number previously paid, if greater; For Reissues, see above

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 110.00

**SUBMITTED BY**

Name (Print/Type) Joseph Bereta

Registration No. (Attorney/Agent) 44,522

Telephone (202) 331-7111

Signature

Date January 20, 2004

I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office, facsimile no. (703) 672-9306, on the date shown below.

Dated: 1/20/04

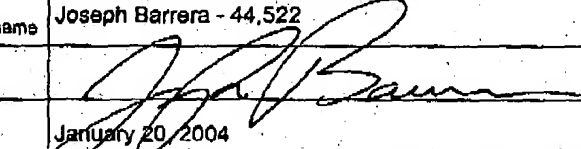
Signature: Downette Teagle

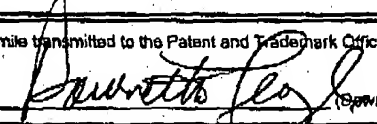
(Downette Teagle)

PTO/SB/21 (05-03)  
 Approved for use through 04/30/2003. OMB 0651-0031  
 U.S. Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE  
 Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

|   |    |                        |                        |
|---|----|------------------------|------------------------|
| <b>TRANSMITTAL FORM</b><br>(to be used for all correspondence after initial filing) |    | Application Number     | 09/690,433-Conf. #3745 |
|   |    | Filing Date            | October 18, 2000       |
|   |    | First Named Inventor   | Kaori Yasufuku et al.  |
|   |    | Art Unit               | 2833                   |
|   |    | Examiner Name          | T. T. Nguyen           |
| Total Number of Pages in This Submission  | 11 | Attorney Docket Number | 22004-00003-US         |

| ENCLOSURES (check all that apply)  |  |  |
|--|--|--|
| <input checked="" type="checkbox"/> Fee Transmittal Form<br><input type="checkbox"/> Fee Attached<br><input checked="" type="checkbox"/> Amendment/Reply<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><input checked="" type="checkbox"/> Extension of Time Request<br><input type="checkbox"/> Express Abandonment Request<br><input type="checkbox"/> Information Disclosure Statement<br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><input type="checkbox"/> Response to Missing Parts/Incomplete Application<br><input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s)<br><input type="checkbox"/> Licensing-related Papers<br><input type="checkbox"/> Petition<br><input type="checkbox"/> Petition to Convert to a Provisional Application<br><input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address<br><input type="checkbox"/> Terminal Disclaimer<br><input type="checkbox"/> Request for Refund<br><input type="checkbox"/> CD, Number of CD(s) _____ | <input type="checkbox"/> After Allowance Communication to Group<br><input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences<br><input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)<br><input type="checkbox"/> Proprietary Information<br><input type="checkbox"/> Status Letter<br><input type="checkbox"/> Other Enclosure(s) (please identify below): _____ |
| Remarks  |  |  |

| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT |   |
|--|---|
| Firm or Individual name                    | CONNOLLY BOVE LODGE & HUTZ LLP<br>Joseph Barrera - 44,522                           |
| Signature                                  |  |
| Date                                       | January 20, 2004  |

|   |   |
|---|---|
| I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office, facsimile no. (703) 872-9306, on the date shown below. |   |
| Dated: 1/20/04  | Signature:  (Dawnetta Teagle) |